

Title (en)

BLOCKCHAIN TRANSACTION PROCESSING SYSTEMS AND METHODS

Title (de)

SYSTEME UND VERFAHREN ZUR VERARBEITUNG VON BLOCKCHAIN-TRANSAKTIONEN

Title (fr)

SYSTÈMES ET PROCÉDÉS DE TRAITEMENT DE TRANSACTION DE CHAÎNE DE BLOCS

Publication

**EP 3977390 A1 20220406 (EN)**

Application

**EP 20897632 A 20200803**

Priority

CN 2020106564 W 20200803

Abstract (en)

[origin: US2021326074A1] Disclosed are computer-implemented methods, non-transitory computer-readable media, and systems for processing blockchain transactions. One computer-implemented method includes receiving M blockchain transactions and executing N blockchain transactions out of the M blockchain transactions in parallel using K threads of a first thread pool. A second thread pool is dedicated for accessing blockchain data stored in a storage system. For blockchain transactions distributed to each one of the K threads, one or more coroutines are used for each blockchain transaction so that the blockchain transactions are executed asynchronously using the coroutines. A blockchain block is generated to include the M blockchain transactions and added to a blockchain stored in the storage system.

IPC 8 full level

**G06Q 40/04** (2012.01); **G06F 9/50** (2006.01)

CPC (source: CN EP US)

**G06F 3/0611** (2013.01 - EP US); **G06F 3/0623** (2013.01 - US); **G06F 3/0631** (2013.01 - US); **G06F 3/0659** (2013.01 - EP US); **G06F 3/067** (2013.01 - EP US); **G06F 9/5066** (2013.01 - EP); **G06F 21/64** (2013.01 - CN); **G06Q 40/04** (2013.01 - CN); **G06F 2209/5011** (2013.01 - EP); **G06F 2209/5018** (2013.01 - EP); **G06Q 2220/00** (2013.01 - EP)

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Designated extension state (EPC)

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**US 11604608 B2 20230314**; **US 2021326074 A1 20211021**; CN 113168652 A 20210723; CN 113168652 B 20220415; EP 3977390 A1 20220406; EP 3977390 A4 20220406; EP 3977390 B1 20231206; WO 2022027175 A1 20220210

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